

Converting Colors

XYZ(21.7722, 16.5999, 12.5968)

Have a look what the booklet for
XYZ(21.7722, 16.5999, 12.5968)
contains.

XYZ(21.6978, 16.5058, 12.6320)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.6978, 16.5058,
12.6320)**

Conversions

Conversions Part 1

Format	Color
Hex	A75B5E
RGB	167, 91, 94
RGB Percent	65%, 36%, 37%
CMY	0.3451, 0.6431, 0.6314
CMYK	0.00, 0.46, 0.44, 0.35
HSL	358°, 30%, 51%
HSV	358°, 46%, 65%
XYZ	21.6978, 16.5058, 12.6320
YIQ	114.0660, 44.3330, 17.0450

Conversions

Conversions Part 2

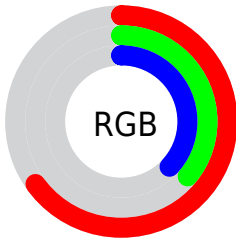
Format	Color
RYB	167, 91, 94
Decimal	10967902
CIELab	47.63, 31.31, 12.16
CIElCh	48, 33.591, 21.232
Yxy	16.5058, 0.4268, 0.3247
Android (android.graphics.Color)	4289157982 (0xFFA75B5E)
YUV	114.0660, -9.8925, 46.4231
Hunter-Lab	40.6273, 24.2335, 10.0045

Details

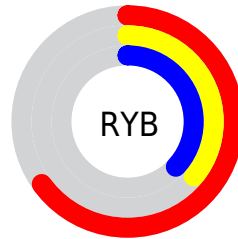
The XYZ color **21.6978, 16.5058, 12.6320** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.8348, 32.5422, 40.0962**, and the grayscale version is **16.0339, 16.8689, 18.3702**.

A 20% lighter version of the original color is **45.9078, 37.6661, 31.2362**, and **8.0436, 5.3141, 3.3981** is the 20% darker color. If you saturate the color by 10%, you get **19.7792, 13.7033, 8.8026**, and if you desaturate by 10%, it is **24.0846, 20.0052, 17.3559**.

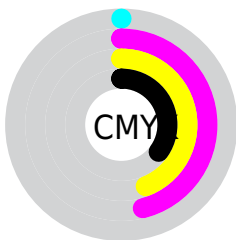
Distribution



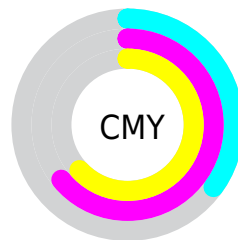
- Red (65%)
- Green (36%)
- Blue (37%)



- Red (65%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (44%)
- Black (35%)



- Cyan (35%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6978, 16.5058, 12.6320 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.6978, 16.5058, 12.6320 by changing the saturation by 10% instead.

■ 21.6978, 16.5058,
12.6320

■ 21.6978, 16.5058,
12.6320

253.6262,
232.3081, 219.6699

■ 13.7504, 9.8828,
7.0479

■ 45.7286, 37.4741,
31.3225

■ 8.0278, 5.3213,
3.4132

■ 62.5427, 52.5882,
45.2660

■ 4.1647, 2.4370,
1.3093

■ 83.0430, 71.3013,
62.8330

■ 1.7957, 0.8448,
0.0694

■ 107.5950, 93.9981,
84.4420

■ 0.5151, 0.0000,
0.0000

136.5639,
121.0627, 110.5117

■ 0.0000, 0.0000,
0.0000

170.3152,

152.8797, 141.4606

209.2142,
189.8333, 177.7071

■ 21.6978, 16.5058,
12.6320

■ 21.6978, 16.5058,
12.6320

■ 19.7792, 13.7033,
8.8026

■ 24.0846, 20.0052,
17.3559

■ 18.2968, 11.5488,
5.8103

■ 26.9661, 24.2410,
23.0248

■ 17.2167, 9.9911,
3.5930

■ 30.3686, 29.2529,
29.6864


■ 16.4994, 8.9701,
2.0790


■ 34.3159, 35.0770,
37.3852


■ 16.0956, 8.4095,
1.1830


■ 38.8304, 41.7471,
46.1627

 15.9724, 8.2299,
0.9357

 43.9335, 49.2951,
56.0583

 49.6451, 57.7512,
67.1093

 55.9844, 67.1443,
79.3515

 62.9698, 77.5018,
92.8190

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.1024, 16.5058, 20.6075



21.6978, 16.5058, 12.6320



19.5814, 16.5058, 7.9290

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.6978, 16.5058, 12.6320



11.6095, 16.5058, 9.4904



14.8260, 16.5058, 39.7221

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.6978, 16.5058, 12.6320



24.8348, 32.5422, 40.0962

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.3487, 16.5058, 34.1604



21.6978, 16.5058, 12.6320



10.6532, 16.5058, 15.5714

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.6978, 16.5058, 12.6320



13.6920, 16.5058, 6.5583



10.9054, 16.5058, 24.6378



17.8697, 16.5058, 38.1687

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.6978, 16.5058, 12.6320



17.6168, 16.5058, 6.4351



10.9054, 16.5058, 24.6378



13.9059, 16.5058, 38.5714

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.6982, 16.5066, 12.6323



55.2195, 53.6158, 54.7904



25.8618, 18.0807, 38.6860



12.0494, 11.5446, 11.6600



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6982, 16.5066, 12.6323



35.2756, 24.3265, 15.4683



25.1841, 23.6895, 13.1438



7.5426, 7.5469, 7.9088



12.2266, 6.2994, 0.7389



0.3011, 0.1547, 0.0371

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.6982, 16.5066, 12.6323



35.2756, 24.3265, 15.4683



19.6504, 21.7353, 39.7188



7.5426, 7.5469, 7.9088



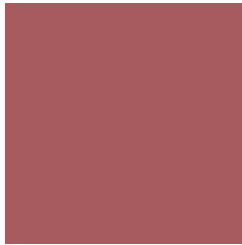
12.2266, 6.2994, 0.7389



0.3011, 0.1547, 0.0371

Previews

White Background



This preview shows how the XYZ color 21.6978, 16.5058, 12.6320 looks on a white background.

Color Contrast Check

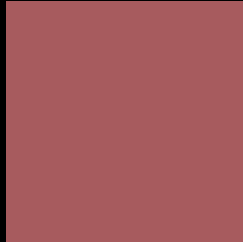
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.6978, 16.5058, 12.6320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

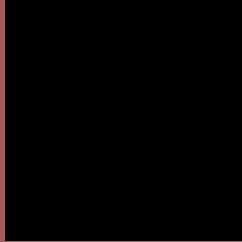
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6978, 16.5058, 12.6320

Background



This preview shows how black text looks on a background with the XYZ color 21.6978, 16.5058, 12.6320.



This preview shows how white text looks on a background with the XYZ color 21.6978, 16.5058,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.6978, 16.5058, 12.6320

Protanopia

15.7910, 16.6121, 15.7388

Deuteranopia

16.8727, 16.5981, 12.2120



Tritanopia

21.8351, 16.5607, 13.3550

Trichromacy



Original Color

21.6978, 16.5058, 12.6320

Protanomaly

17.3922, 16.1936, 14.5209

Deuteranomaly

18.3602, 16.2952, 12.3028

Tritanomaly

21.7888, 16.5422, 13.1109

Monochromacy



Original Color

21.6978, 16.5058, 12.6320

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4807, 16.3562, 16.1456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6978, 16.5058, 12.6320 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 91, 94)` looks like.

```
.text, #text, p{  
    color:rgb(167, 91, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 91, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 91, 94) }
```

Border

The CSS property to change the border of an element to XYZ 21.6978, 16.5058, 12.6320 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 91, 94) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(167, 91, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(167, 91, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 91, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 91, 94);  
box-shadow:4px 4px 4px 4px rgb(167, 91,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6978, 16.5058, 12.6320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 91, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167, 91,  
94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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